

Amendments to the Specification:

Please replace the paragraph beginning at page 1, line 6, with the following rewritten paragraph:

B1  
This invention ~~involves~~ relates to an electric motor unit and an electronic control of the motor.

Please replace the paragraph beginning at page 1, line 11, with the following rewritten paragraph:

B2 cont.  
Historically, the stator of such a motor unit ~~is made up of~~ comprises a carbon ~~carrying~~ holder plate (PPC) which ~~presents, first,~~ includes a brass insert and; ~~second,~~ a radiator.

[ Please replace the paragraph beginning at page 1, line 13, with the following rewritten paragraph: ]

The brass insert serves, ~~first,~~ to guide the ~~electrons~~ carbon holders and; ~~second,~~ to bring the current closer to the foot of the MOSFET ~~transistor lead from~~ of the power circuit ~~to the right of~~ near the radiator.

[ Please replace the paragraph beginning at page 1, line 16, with the following rewritten paragraph: ]

The radiator, generally made of aluminum, ~~receives~~ provides cooling to the power components (diodes, MOSFET transistors) and ~~presents casings~~ provides a space into which ~~certain~~ several electronic components ~~carried by a circuit imprinted with the command~~ held on a circuit board, that has been imprinted with the control electronics are received and held.

[ Please replace the paragraph beginning at page 1, line 20, with the following rewritten paragraph: ]

A motor unit of this type was described in the French patent application of that the Assignee Applicant filed under number 98 03128.

B<sup>2</sup>  
conce'd.

Please replace the paragraph beginning at page 1, line 22, with the following rewritten paragraph:

The One aspect of the invention particularly is that proposes a motor unit structure ~~that allows~~ provides for very high mounting tolerances ~~of connections~~ between the radiator and the brass insert.

Please replace the paragraph beginning at page 1, line 24, with the following rewritten paragraph:

The In another aspect of the invention also to ~~proposes a motor unit structure,~~ the rigidity and the watertightness of the motor unit structure of which is has been improved.

Please replace the paragraph beginning at page 1, line 26, with the following rewritten paragraph:

The It is a further aspect of the invention also to ~~proposes provide~~ a motor unit structure ~~in of~~ in which the means ~~of~~ for ~~connection~~ connecting and the assembly of the components are simplified.

Please replace the paragraph beginning at page 1, line 29, with the following rewritten paragraph:

B<sup>3</sup>  
cont.

The present invention ~~proposes~~ provides an electric motor unit of a motor vehicle ~~containing~~ having a ~~wiper-blade~~ brush carrier plate that ~~presents, first,~~ includes a brass insert and ~~second,~~ a radiator, characterized by the plate ~~presenting~~ having a plastic over-molding that surrounds the insert and the radiator. This over-molding provides make up for play between the ~~pieces~~ parts.

Please replace the paragraph beginning at page 2, line 3, with the following rewritten paragraph:

~~In addition~~ Furthermore, the over-molding contributes to the rigidity of the plate, which allows optimization of the design of the radiator and the quantity of aluminum used for it, by removing from the radiator the parts that are not necessary

B3  
conced.

~~in its recooling~~ for cooling and that only serve to increase the rigidity of the plate. Moreover, the over-molding also ~~presents~~ includes a partition that separates, in a ~~waterproof~~ watertight way, on the plate, the ~~zone area~~ zone area designed to receive the electronic card and ~~a wiper blade~~ an area carrying the brushes.

Please replace the paragraph beginning at page 2, line 9, with the following rewritten paragraph:

The area that is ~~defined for~~ delimited by the over-molding and which receives the card can, ~~in addition,~~ furthermore be closed by a lid for which the edge of the over-molding defines a watertight plane.

Please replace the paragraph beginning at page 2, line 12, with the following rewritten paragraph:

The ~~combination~~ system of the over-molding and the lid ~~is defined by~~ defines the imprinted circuit card and the electronic components (in the cold area of the motor) a watertight ~~case~~ housing in which the components are thermically isolated ~~in relation with respect to~~ to the ~~zone area~~ zone area that carries the brushes (electrotechnical ~~zone area~~ zone area - hot ~~zone area~~ zone area). There is also an ~~uncoupling~~ decoupling between the electronic ~~zone area~~ zone area and the electrotechnical ~~zone area~~ zone area.

Please replace the paragraph beginning at page 2, line 17, with the following rewritten paragraph:

~~It can also,~~ The separation partition can advantageously, ~~be planned that on the separation partition provide the means of~~ for respiration allowing circulation of the air from one ~~zone area~~ zone area to the other ~~another~~ another without allowing the ~~entrance of~~ moisture in into the electronic ~~zone area~~ zone area.

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Please replace the paragraph beginning at page 2, line 21, with the following rewritten paragraph:

B4  
Other characteristics and advantages of the invention will become more clear in the following description. This description is ~~purely~~ only illustrative and ~~not limiting non limiting~~. It ~~must~~ should be read ~~in regards to~~ in the light of the attached drawings ~~in~~ in which:

[ Please replace the paragraph beginning at page 2, line 24, with the following rewritten paragraph: ]

Figure 1 is a ~~cut view~~ cross-sectional schematic ~~representation~~ view of the motor unit ~~conforming according to one possible method of production~~ embodiment of the invention;

[ Please replace the paragraph beginning at page 2, line 26, with the following rewritten paragraph: ]

Figure 2 is an exploded perspective view of a motor unit ~~from~~ of Figure 1;

[ Please replace the paragraph beginning at page 2, line 28, with the following rewritten paragraph: ]

Figure 3 is a perspective schematic ~~representation illustrating view~~ showing the connection mounting of the plate to the ~~easing~~ housing of the motor unit of Figures 1 and 2; and

[ Please replace the paragraph beginning at page 2, line 30, with the following rewritten paragraph: ]

Figure 4 is a detailed perspective ~~representation~~ view of the mechanical means for ~~the blockage of blocking~~ blocking the plate ~~in relation to the casing~~ with regard to the housing.

Please replace the paragraph beginning at page 3, line 2, with the following rewritten paragraph:

The motor unit which is ~~illustrated~~ shown in Figures 1 and 2 ~~contains~~ includes a ~~easing~~ housing 1, a rotational axis 2, ~~an inductor~~ a stator 3 fixed in relation to the ~~easing~~ housing, and ~~an inductor~~ a rotor 4 powered by the brushes or carbons 5. These brushes 5 are guided by a brass insert 6 which ~~presents~~ has an electronic ~~wiper blade~~ brush carrier plate (PPCE) that also ~~contains~~ includes a radiator 7.

Please replace the paragraph beginning at page 3, line 6, with the following rewritten paragraph:

On this radiator 7 are placed power components 8 (diodes, MOSFET transistors). A printed circuit card C[1]I, which ~~carries~~ holds control components, is also placed to the right of this radiator 7.

Please replace the paragraph beginning at page 3, line 9, with the following rewritten paragraph:

The PPCE plate ~~presents~~ also includes [a] an over-molding 9 which surrounds the brass insert 6 and the radiator 7. This over-molding 9 ~~also presents~~ has a partition 10 that separates, in a watertight manner, on the plate, the ~~zone~~ area that is designed to receive an electronic card C[1]I, from the electrotechnical ~~zone~~ area that ~~carries~~ holds the brushes 5. The peripheral over-molding 9 and this partition 10 define, with a lid 12, a watertight ~~case~~ housing into which is received the electronics card C[1]I.

Please replace the paragraph beginning at page 3, line 15, with the following rewritten paragraph:

The peripheral over-molding 9 and the transversal partition 10 together define a watertight plane on which is received a ~~joint~~ gasket 13 that is designed to be compressed between the lid 12 and the edge of the over-molding 9. The lid 12 is ~~made up of~~ includes a plastic hood 12a formed from a plastic material in into which ~~is placed~~ a metallic-plated hood 12b is placed.

B5  
cont.

B5  
Cmt.

Please replace the paragraph beginning at page 3, line 19, with the following rewritten paragraph:

The printed circuit card C[1]I is double-sided, the having components ~~reaching~~ extending from one side of the card to the other.

Please replace the paragraph beginning at page 3, line 21, with the following rewritten paragraph:

It is foreseen that the over-molding 9 casings Recesses are provided on the overmoulding ~~allow the for~~ positioning and holding of the components before soldering the components onto the card.

Please replace the paragraph beginning at page 3, line 23, with the following rewritten paragraph:

The power and control current is led to the electronic components (control components of the printed circuit card and power components (MOSFET, diodes) mounted on the radiator 7) by the stripe path that ~~presents~~ is formed by the brass insert 6. The brass insert 6 is directly soldered to the printed circuit card or to the power components. ~~One removes, as a consequence, a connection level~~ Accordingly, one connecting step between the printed circuit card C[1]I and the brass insert 6 is removed. The ~~links~~ connections between the brass insert 6 and the card C[1]I are thus optimized, which ~~allows the~~ provides a considerable reduction of heating of the surface of the electronic card.

Please replace the paragraph beginning at page 4, line 1, with the following rewritten paragraph:

The power components like the MOSFET ~~transistor~~ transistors and the diodes are cooled by the aluminum radiator 7, which is fitted with ~~blades~~ wings placed in the external air flux.

[ Please replace the paragraph beginning at page 4, line 4, with the following rewritten paragraph: ]

The radiator 7, the plastic over-molding 9, and the lid are assembled in such a ~~manner~~ way to ~~make-up form~~ a watertight ease housing 1 ~~vis-à-vis the~~ to the exterior, but also from the interior of the motor (thermal protection, protection from dust, protection from electromagnetic rays, etc.)

[ Please replace the paragraph beginning at page 4, line 8, with the following rewritten paragraph: ]

The means allowing the removal of condensation produced by the radiator 7 in the ease housing 1 defined by the over-molding 9 and the lid 12 are advantageously ~~foreseen by~~ provided in the watertight partition 10. Also, the over-molding 9 ~~presents the~~ provides means for the passage of the wires designed to power the brass insert ~~17~~ (section 17). Particularly, the over-molding 9 ~~contains~~ comprises means allowing the implantation of a connecting module designed to power the ~~brass~~ insert 6 and the electronic controls and allows the connection towards the exterior by a ~~complimentary~~ connector having complimentary form.

[ Please replace the paragraph beginning at page 4, line 15, with the following rewritten paragraph: ]

The electrotechnical part is closed by ~~a flask~~ an end plate F.

[ Please replace the paragraph beginning at page 4, line 16, with the following rewritten paragraph: ]

As ~~one can see~~ seen in Figures 2 to 4, the over-molding 9 of the plate ~~presents~~ includes elastic attachment flaps 14 designed to work together with complimentary forms 15 ~~can come from the stamping~~ which are embossed that ~~presents on~~ on the ease housing 1, in order to stabilize for keeping the plate in relation secured to the ease housing 1.

B5  
cont.

Please replace the paragraph beginning at page 4, line 20, with the following rewritten paragraph:

*B<sup>5</sup> cancelled.*

~~One will note~~ It is noted that one solution for attachment is particularly economical; typically, the means ~~of attaching~~ for mounting the plate ~~on to~~ the ease housing 1 are made up of rolled-stapled sheet metal.

Please replace the paragraph beginning at page 4, line 23, with the following rewritten paragraph:

The elastic ~~leads~~ flaps 14 and the complimentary forms 15 that ~~present~~ are shown on the ease housing 1 ~~are, for example, restarted can be coupled~~ in such a way to create ~~a limitation imposing~~ a single possible relative position ~~relative~~ between the plate and the ease housing 1. For example, the ~~leads~~ flaps 14 and the forms 15 are angularly spaced, respectively, two by two at 115°, 115°, 130°.

Please replace the paragraph beginning at page 4, line 28, with the following rewritten paragraph:

As is ~~illustrated on~~ shown in Figure 4, the elastic ~~leads~~ flaps 14 end, ~~for example, at beveled~~ can include chamfered protuberances 16 that facilitate the connection of the plate onto the ease housing 1 and assure, during ~~of the connection~~ mounting, the mechanical ~~stabilization~~ stability of the ensemble by avoiding the ~~lowering of turning over the plate under by~~ the counterweight of the electronics that are incorporated into the motor.

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